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OM protein - protein search, using sw model

Run on: July 10, 2002, 08:22:58 ; Search time 12.98 Seconds
(without alignments)
30.109 Million cell updates/sec

Title: US-09-508-054-19
Perfect score: 87
Sequence: 1 YLRIVQCRVSGSCGF 16

Scoring table: BLOSUN62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 150 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCRTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	83	95.4	20	2	US-08-340-389A-2
2	83	95.4	20	4	US-09-245-712-2
3	83	95.4	26	4	US-09-245-712-3
4	83	95.4	26	4	US-09-245-712-5
5	83	95.4	168	6	5424199-3
6	83	95.4	176	3	US-08-791-728-1
7	83	95.4	176	3	US-08-791-728-2
8	83	95.4	177	1	US-08-187-756C-6
9	83	95.4	177	2	US-08-710-324A-6
10	83	95.4	191	4	US-08-800-215C-16
11	83	95.4	191	4	US-08-800-215C-18
12	83	95.4	191	4	US-08-800-215C-20
13	83	95.4	191	4	US-09-284-878-5
14	83	95.4	192	1	US-09-463-461-1
15	83	95.4	192	1	US-08-093-383-1
16	83	95.4	194	2	US-08-383-621-4
17	83	95.4	194	3	US-08-459-906-4
18	83	95.4	198	1	US-08-187-756C-5
19	83	95.4	198	2	US-08-710-324A-5
20	83	95.4	217	1	US-08-187-756C-4
21	83	95.4	217	1	US-08-469-658-51
22	83	95.4	217	2	US-08-469-658-51
23	83	95.4	217	3	US-08-710-324A-4
24	83	95.4	217	3	US-08-589-028-10
25	83	95.4	217	3	US-08-784-582-10
26	83	95.4	217	4	US-08-785-271-10
27	83	95.4	217	4	US-08-759-628-11
28	83	95.4	217	4	US-09-284-878-1
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36	51.5	59.2	27	4	US-09-245-712-11
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39	51.5	59.2	27	4	US-09-245-712-17
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41	51.5	59.2	27	4	US-09-245-712-19
42	51.5	59.2	190	1	US-07-963-331D-3
43	51.5	59.2	190	1	US-08-388-267C-2
44	51.5	59.2	190	1	US-09-277-720-2
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52	51.5	59.2	216	2	US-09-103-651-1
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54	48.5	55.7	191	1	US-07-922-523-1
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57	46.5	53.4	27	4	US-09-245-712-12
58	46.5	53.4	27	4	US-09-245-712-13
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60	46.5	53.4	191	1	US-07-885-689A-29
61	46.5	53.4	191	1	US-08-093-383-3
62	46.5	53.4	193	2	US-08-383-621-2
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68	40	45.0	83	4	US-07-791-931-3
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71	38	43.7	37	1	US-08-319-590-4
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73	38	43.7	37	2	US-08-630-822A-4
74	38	43.7	37	2	US-08-711-905-4
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76	38	43.7	78	1	US-08-319-590-2
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85	37	42.5	107	3	US-08-961-564A-4
86	37	42.5	223	3	US-08-820-970-2
87	37	42.5	237	4	US-09-227-357-154
88	37	42.5	390	3	US-08-961-564A-2
89	37	42.5	832	1	US-08-431-560-1
90	37	42.5	832	1	US-08-463-345-1
91	36.5	42.0	568	4	US-09-160-065-2
92	36	41.4	49	1	US-08-627-708-1
93	36	41.4	49	4	US-09-103-489-1
94	36	41.4	50	1	US-08-627-708-2
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96	36	41.4	79	1	US-08-627-706-15
97	36	41.4	79	4	US-09-103-489-15
98	36	41.4	99	4	US-09-199-637A-75
99	36	41.4	146	2	US-08-231-894A-15
100	36	41.4	199	3	US-08-737-248-5

101 36 41.4 702 4 US-09-232-200-102
102 36 41.4 702 4 US-09-232-197-102
103 36 41.4 702 4 US-09-232-201-102
104 36 41.4 950 4 US-09-449-285A-4
105 36 41.4 1174 2 US-08-446-345-36
106 35 40.2 41 6 517197-38
107 35 40.2 41 6 517197-39
108 35 40.2 314 2 US-08-460-309-19
109 35 40.2 314 2 US-08-125-077-19
110 35 40.2 551 4 US-09-080-983-11
111 35 40.2 552 4 US-08-796-899-28
112 35 40.2 582 2 US-08-403-852D-20
113 35 40.2 582 3 US-08-510-646B-21
114 35 40.2 582 4 US-09-231-818-20
115 35 40.2 609 4 US-09-232-200-69
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124 35 40.2 613 4 US-09-232-201-94
125 35 40.2 1394 6 517197-30
126 35 40.2 1724 4 US-08-857-076-12
127 35 40.2 4544 1 US-08-469-486-52
128 35 40.2 4544 2 US-08-469-658-52
129 34.5 39.7 191 3 US-08-737-248-22
130 34.5 39.7 199 3 US-08-737-248-2
131 34.5 39.7 199 3 US-08-737-248-8
132 34.5 39.7 426 3 US-08-737-248-4
133 34.5 39.7 1805 4 US-09-004-838-92
134 34 39.1 19 4 US-08-974-549A-136
135 34 39.1 39 2 US-08-169-948B-4
136 34 39.1 39 2 US-08-448-873-4
137 34 39.1 39 4 US-08-382-452D-4
138 34 39.1 43 2 US-08-488-161-86
139 34 39.1 43 3 US-09-273-685-86
140 34 39.1 43 5 PCT-US95-11934-86
141 34 39.1 99 1 US-08-085-122-4
142 34 39.1 99 2 US-08-319-052-4
143 34 39.1 99 4 US-08-442-108B-4
144 34 39.1 177 3 US-08-824-692-30
145 34 39.1 196 3 US-08-824-692-32
146 34 39.1 229 3 US-08-824-692-31
147 34 39.1 290 3 US-08-824-692-29
148 34 39.1 335 1 US-08-085-122-13
149 34 39.1 335 4 US-08-442-108B-23
150 34 39.1 348 4 US-09-071-709-2

ALIGNMENTS

RESULT 1
US-08-340-389A-2
; Sequence 2, Application US/08340389A
; Patent No. 5869452
; GENERAL INFORMATION:
; APPLICANT: NG, Frank M.
; APPLICANT: NATERA, Siria H.
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,389A
; FILING DATE: 15-NOV-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 17227/118/DACO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-340-389A-2

Query Match 95.4%; Score 83; DB 2; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.4e-07;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
Db 5 FLRIVQCRSVEGSCGF 20
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RESULT 2
US-09-245-712-2
; Sequence 2, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/O131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-712-2

Query Match 95.4%; Score 83; DB 4; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.4e-07;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
Db 5 FLRIVQCRSVEGSCGF 20
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RESULT 3
US-09-245-712-3
; Sequence 3, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna

; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-712-3

Query Match 95.4%; Score 83; DB 4; Length 26;
Best Local Similarity 93.8%; Pred. No. 4.4e-07;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVCRSVEGSCGF 16
; :|||||
DB 11 FLRIVCRSVEGSCGF 26

RESULT 4
US-09-245-712-5
; Sequence 5, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Monkey
US-09-245-712-5

Query Match 95.4%; Score 83; DB 4; Length 26;
Best Local Similarity 93.8%; Pred. No. 4.4e-07;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVCRSVEGSCGF 16
; :|||||
DB 11 FLRIVCRSVEGSCGF 26

RESULT 5
5424199-3
; Patent No. 5424199
; APPLICANT: GOEDEL, DAVID V.; HEYNEKER, HERBERT L.
; TITLE OF INVENTION: HUMAN GROWTH HORMONE
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/250,639
; FILING DATE: 27-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 53,839
; FILING DATE: 26-APR-1993
; APPLICATION NUMBER: 859,285
; FILING DATE: 26-MAR-1992
; APPLICATION NUMBER: 393,808
; FILING DATE: 14-AUG-1989

; APPLICATION NUMBER: 37,319
; FILING DATE: 13-APR-1987
; APPLICATION NUMBER: 654,340
; FILING DATE: 25-SEP-1984
; APPLICATION NUMBER: 356,564
; FILING DATE: 09-MAR-1982
; APPLICATION NUMBER: 55,126
; FILING DATE: 05-JUL-1979
; SEQ ID NO: 3
; LENGTH: 168
5424199-3

Query Match 95.4%; Score 83; DB 6; Length 168;
Best Local Similarity 93.8%; Pred. No. 3e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVCRSVEGSCGF 16
; :|||||
DB 153 FLRIVCRSVEGSCGF 168

RESULT 6
US-08-791-728-1
; Sequence 1, Application US/08791728
; Patent No. 6013773
; GENERAL INFORMATION:
; APPLICANT: KOBAYASHI, Hideki
; APPLICANT: AOKI, Mihoko
; APPLICANT: UCHIDA, Hiroshi
; APPLICANT: KUSUHARA, No. 6013773umi
; APPLICANT: MIYAMA, Yukio
; APPLICANT: ITO, Teruo
; APPLICANT: FUKUHARA, Akira
; APPLICANT: SATO, Tsutomu
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATION CONTAINING
; NUMBER OF INVENTION: HUMAN GROWTH HORMONE
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/791,728
; FILING DATE: 31-JAN-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 017342/1996
; FILING DATE: 02-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 029430-331
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 176 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-791-728-1

Query Match 95.4%; Score 83; DB 3; Length 176;
Best Local Similarity 93.8%; Pred. No. 3.1e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
Db 161 FLRVQCRSVEGSCGF 176

RESULT 7
US-08-791-728-2
; Sequence 2, Application US/08791728
; Patent No. 6013773
; GENERAL INFORMATION:
; APPLICANT: KOBAYASHI, Hideki
; APPLICANT: AOKI, Minoko
; APPLICANT: UCHIDA, Hiroshi
; APPLICANT: KUSUHARA, No. 6013773umi
; APPLICANT: MIYAMA, Yukio
; APPLICANT: ITO, Teruo
; APPLICANT: FUKUHARA, Akira
; APPLICANT: SATO, Tsutomu
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATION CONTAINING
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/791,728
; FILING DATE: 31-JAN-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 017342/1996
; FILING DATE: 02-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 029430-331
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 176 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-791-728-2

Query Match 95.4%; Score 83; DB 3; Length 176;
Best Local Similarity 93.8%; Pred. No. 3.1e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
Db 161 FLRVQCRSVEGSCGF 176

RESULT 8
US-08-187-756C-6

; Sequence 6, Application US/08187756C
; Patent No. 5597709
; GENERAL INFORMATION:
; APPLICANT: ROSEN, ET AL.
; TITLE OF INVENTION: Human Growth Hormone
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/187,756C
; FILING DATE: January 27, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-187-756C-6

Query Match 95.4%; Score 83; DB 1; Length 177;
Best Local Similarity 93.8%; Pred. No. 3.1e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
Db 162 FLRVQCRSVEGSCGF 177

RESULT 9
US-08-710-324A-6
; Sequence 6, Application US/08710324A
; Patent No. 5962411
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Growth Factor
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/710,324A
; FILING DATE: 16-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/187,756
; FILING DATE: 27-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF104D1.SK8
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-710-324A-6

Query Match 95.4%; Score 83; DB 2; Length 177;
Best Local Similarity 93.8%; Pred. No. 3.1e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 162 FLRIVQCRSVEGSCGF 177

RESULT 10
US-08-800-215C-16
; Sequence 16, Application US/08800215C
; Patent No. 6238915
; GENERAL INFORMATION:
; APPLICANT: CHIHARA, Kazuo
; TITLE OF INVENTION: MUTANT HUMAN GROWTH HORMONES AND THEIR
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
; STREET: The Jenner Building, 400 Seventh St. N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,215C
; FILING DATE: 12-FEB-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/50940/96
; FILING DATE: 18-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/178643/96
; FILING DATE: 18-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10890/P60840US0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-638-6666
; TELEFAX: 202-393-5350
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids

; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-800-215C-16

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 176 FLRIVQCRSVEGSCGF 191

RESULT 11
US-08-800-215C-18
; Sequence 18, Application US/08800215C
; Patent No. 6238915
; GENERAL INFORMATION:
; APPLICANT: CHIHARA, Kazuo
; TITLE OF INVENTION: MUTANT HUMAN GROWTH HORMONES AND THEIR
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
; STREET: The Jenner Building, 400 Seventh St. N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,215C
; FILING DATE: 12-FEB-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/50940/96
; FILING DATE: 18-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/178643/96
; FILING DATE: 18-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10890/P60840US0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-638-6666
; TELEFAX: 202-393-5350
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-800-215C-18

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
DB 176 FLRIVQCRSVEGSCGF 191

RESULT 12
US-08-800-215C-20

; Sequence 20, Application US/08800215C
; Patent No. 6238915
; GENERAL INFORMATION:
; APPLICANT: CHIHARA, Kazuo
; TITLE OF INVENTION: MUTANT HUMAN GROWTH HORMONES AND THEIR
; TITLE OF INVENTION: USES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
; STREET: The Jennifer Building, 400 Seventh St. N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,215C
; FILING DATE: 12-FEB-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/50940/96
; FILING DATE: 18-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP JP/178643/96
; FILING DATE: 18-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10890/P60840USO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-638-6666
; TELEFAX: 202-393-5350
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-800-215C-20

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
Db 176 FLRIVQCRSVEGSCGF 191

RESULT 13
US-09-284-878-5
; Sequence 5, Application US/09284878
; Patent No. 6342375
; GENERAL INFORMATION:
; APPLICANT: Olazaran, Martha Guerrero
; APPLICANT: Saldana, Hugo Barrera
; APPLICANT: Salvado, Jose Maria Viader
; TITLE OF INVENTION: Genetically Modified Methylotrophic P. pastoris Yeast for the
; TITLE OF INVENTION: Production and Secretion of the Human Growth Hormone
; FILE REFERENCE: 1829.001000
; CURRENT APPLICATION NUMBER: US/09/284,878
; CURRENT FILING DATE: 1999-07-21
; PRIOR APPLICATION NUMBER: PCT/MX97/00033
; PRIOR FILING DATE: 1997-10-24
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 5
; LENGTH: 191

; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-284-878-5

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
Db 176 FLRIVQCRSVEGSCGF 191

RESULT 14
US-09-465-461-1
; Sequence 1, Application US/09465461
; Patent No. 6348444
; GENERAL INFORMATION:
; APPLICANT: CHAPPEL, Scott
; TITLE OF INVENTION: Human Growth Hormone to stimulate hematopoiesis and immune rec
; FILE REFERENCE: CHAPPEL-6.1
; CURRENT APPLICATION NUMBER: US/09/465,461
; CURRENT FILING DATE: 1999-12-17
; PRIOR APPLICATION NUMBER: 60/112,668
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 191
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-465-461-1

Query Match 95.4%; Score 83; DB 4; Length 191;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
Db 176 FLRIVQCRSVEGSCGF 191

RESULT 15
US-08-093-383-1
; Sequence 1, Application US/08093383
; Patent No. 5489529
; GENERAL INFORMATION:
; APPLICANT: DeBoer, Herman A.
; APPLICANT: Heyneker, Herbert L.
; APPLICANT: Seeburg, Peter H.
; TITLE OF INVENTION: DNA for Expression of Bovine Growth Hormone
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/093,383
; FILING DATE: 14-JUL-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/619827

; FILING DATE: 28-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/198824
; FILING DATE: 05-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/632361
; FILING DATE: 19-JUL-1984
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/303687
; FILING DATE: 18-SEP-1981
; ATTORNEY/AGENT INFORMATION:
; NAME: Johnston, Sean A.
; REGISTRATION NUMBER: P35,910
; REFERENCE/DOCKET NUMBER: 46C4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-3562
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 192 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-093-383-1

Query Match 95.4%; Score 83; DB 1; Length 192;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
:|||||

Db 177 FLRIVQCRSVEGSCGF 192

RESULT 16
US-08-383-621-4
; Sequence 4, Application US/08383621
; Patent No. 5951972
; GENERAL INFORMATION:
; APPLICANT: Daley, Michael J.
; APPLICANT: Buckwalter, Brian L.
; APPLICANT: Cady, Susan M.
; APPLICANT: Shieh, Hong-Ming
; APPLICANT: Bohlen, Peter
; APPLICANT: Seddon, Andrew P.
; TITLE OF INVENTION: Stabilization Of Somatotropins And Other
; TITLE OF INVENTION: Proteins By Modification Of Cysteine Residues
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dr. Estelle J. Tsevdos
; STREET: 1937 West Main Street, P.O. Box 60
; CITY: Stamford
; STATE: Connecticut
; COUNTRY: U.S.A.
; ZIP: 06904-0060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/383.621
; FILING DATE: 06-FEB-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/766,142
; FILING DATE: 25-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsevdos, Estelle J.
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,278-01
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 203-321-2756
; TELEFAX: 203-321-2971
; TELEX: 203-710-474-4059
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-383-621-4

Query Match 95.4%; Score 83; DB 2; Length 194;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
:|||||

Db 179 FLRIVQCRSVEGSCGF 194

RESULT 17
US-08-459-906-4
; Sequence 4, Application US/08459906
; Patent No. 6010999
; GENERAL INFORMATION:
; APPLICANT: Daley, Michael J.
; APPLICANT: Buckwalter, Brian L.
; APPLICANT: Cady, Susan M.
; APPLICANT: Shieh, Hong-Ming
; APPLICANT: Bohlen, Peter
; APPLICANT: Seddon, Andrew P.
; TITLE OF INVENTION: Stabilization Of Somatotropins And Other
; TITLE OF INVENTION: Proteins By Modification Of Cysteine Residues
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07470-8426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459.906
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Webster, Darryl L.
; REGISTRATION NUMBER: 34,276
; REFERENCE/DOCKET NUMBER: 31,278-03
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-831-3247
; TELEFAX: 201-831-3305
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-459-906-4

Query Match 95.4%; Score 83; DB 3; Length 194;
Best Local Similarity 93.8%; Pred. No. 3.4e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
:|||||

Db 179 FLRIVCRSVEGSCGF 194

RESULT 18
US-08-187-756C-5
; Sequence 5, Application US/08187756C
; Patent No. 5597709
; GENERAL INFORMATION:
; APPLICANT: ROSEN, ET AL.
; TITLE OF INVENTION: Human Growth Hormone
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/187,756C
; FILING DATE: January 27, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744

; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 198 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-187-756C-5

Query Match 95.4%; Score 83; DB 1; Length 198;
Best Local Similarity 93.8%; Pred. No. 3.5e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLRIVCRSVEGSCGF 16
:|||||

Db 183 FLRIVCRSVEGSCGF 198

RESULT 19
US-08-710-324A-5
; Sequence 5, Application US/08710324A
; Patent No. 5962411
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Growth Factor
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,324A
; FILING DATE: 16-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/187,756
; FILING DATE: 27-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PFI04D1.SKB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 198 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-710-324A-5

Query Match 95.4%; Score 83; DB 2; Length 198;
Best Local Similarity 93.8%; Pred. No. 3.5e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLRIVCRSVEGSCGF 16
:|||||

Db 183 FLRIVCRSVEGSCGF 198

RESULT 20
US-08-187-756C-4
; Sequence 4, Application US/08187756C
; Patent No. 5597709
; GENERAL INFORMATION:
; APPLICANT: ROSEN, ET AL.
; TITLE OF INVENTION: Human Growth Hormone
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/187,756C
; FILING DATE: January 27, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-187-756C-4

Query Match 95.4%; Score 83; DB 1; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
; :|||||

DB 202 FLRIVQCRSVEGSCGF 217

RESULT 21
US-08-469-486-51
; Sequence 51, Application US/08469486
; Patent No. 5739281

; GENERAL INFORMATION:
; APPLICANT: Thøgersen, Hans Christian
; APPLICANT: Holtet, Thor Las
; APPLICANT: Etzerodt, Michael
; TITLE OF INVENTION: Improved method for the refolding of
; TITLE OF INVENTION: proteins
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,486
; FILING DATE: February 4, 1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,060
; FILING DATE: February 4, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 06363/002001

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 542 5070
; TELEFAX: 617 542 8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-486-51

Query Match 95.4%; Score 83; DB 1; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
; :|||||

DB 202 FLRIVQCRSVEGSCGF 217

RESULT 22

US-08-469-658-51
; Sequence 51, Application US/08469658
; Patent No. 5917018

; GENERAL INFORMATION:
; APPLICANT: Thøgersen, Hans Christian
; APPLICANT: Holtet, Thor Las
; APPLICANT: Etzerodt, Michael
; TITLE OF INVENTION: IMPROVED METHOD FOR THE REFOLDING OF
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,658
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,060
; FILING DATE: February 4, 1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 06363/002002

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 542 5070
; TELEFAX: 617 542 8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-658-51

Query Match 95.4%; Score 83; DB 2; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVEGSCGF 16
; :|||||

DB 202 FLRIVQCRSVEGSCGF 217

RESULT 23

US-08-710-324A-4
; Sequence 4, Application US/08710324A
; Patent No. 5962411

; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Growth Factor
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue

;
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,324A
; FILING DATE: 16-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/187,756
; FILING DATE: 27-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF104D1.SKB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-710-324A-4

Query Match 95.4%; Score 83; DB 2; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVGSGCF 16
:|||||

Db 202 FLRIVQCRSVGSGCF 217

RESULT 24
US-08-589-028-10
; Sequence 10, Application US/08589028
; Patent No. 6087129
; GENERAL INFORMATION:
; APPLICANT: Newgard, Christopher B.
; APPLICANT: Halban, Philippe
; APPLICANT: No. 6087129mington, Karl D.
; APPLICANT: Clark, Samuel A.
; APPLICANT: Thigpen, Anice E.
; APPLICANT: Quade, Christian
; APPLICANT: Kruse, Fred
; TITLE OF INVENTION: Recombinant Expression of Proteins From
; SECRETORY CELL LINES
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/589,028
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 435

;
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 47,642
; REFERENCE/DOCKET NUMBER: UTSD:426\HYL
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (512) 474-7577
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; US-08-589-028-10

Query Match 95.4%; Score 83; DB 3; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRIVQCRSVGSGCF 16
:|||||

Db 202 FLRIVQCRSVGSGCF 217

RESULT 25
US-08-784-582-10
; Sequence 10, Application US/08784582
; Patent No. 6110707
; GENERAL INFORMATION:
; APPLICANT: Newgard, Christopher B.
; APPLICANT: Halban, Philippe A.
; APPLICANT: No. 6110707mington, Karl D.
; APPLICANT: Clark, Samuel A.
; APPLICANT: Thigpen, Anice E.
; APPLICANT: Quade, Christian
; APPLICANT: Kruse, Fred
; APPLICANT: McGarry, Dennis
; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF PROTEINS FROM
; SECRETORY CELL LINES
; NUMBER OF SEQUENCES: 79
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,582
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,427
; FILING DATE: 15-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/589,028
; FILING DATE: 19-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: UTSD:514
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids

;
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-784-582-10

Query Match 95.4%; Score 83; DB 3; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
DB 202 FLRIVQCRSVEGSCGF 217

RESULT 26
US-08-785-271-10
; Sequence 10, Application US/08785271
; Patent No. 6194176
; GENERAL INFORMATION:
; APPLICANT: Newgard, Christopher B.
; APPLICANT: Halban, Philippe A.
; APPLICANT: No. 6194176minston, Karl D.
; APPLICANT: Clark, Samuel A.
; APPLICANT: Thigpen, Anice E.
; APPLICANT: Quade, Christian
; APPLICANT: Kruse, Fred
; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF PROTEINS FROM
; TITLE OF INVENTION: SECRETORY CELL LINES
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/785,271
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/589,028
; FILING DATE: 19-JAN-1996

ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: UTSD:513
TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-785-271-10

Query Match 95.4%; Score 83; DB 4; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
DB 202 FLRIVQCRSVEGSCGF 217

RESULT 27
US-08-759-628-11
; Sequence 11, Application US/08759628
; Patent No. 6225446
; GENERAL INFORMATION:
; APPLICANT: Altmann, Scott W.
; APPLICANT: Rock, Fernando L.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: MUTATIONAL VARIANTS OF MAMMLIAN PROTEINS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/759,628
; FILING DATE: 05-DEC-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,574
; FILING DATE: 06-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX05520
TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 32..53
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 94..115
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 133..153
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 192..210
; OTHER INFORMATION: /note= "The peptides above are
; OTHER INFORMATION: depicted in Figure 1"
US-08-759-628-11

Query Match 95.4%; Score 83; DB 4; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
DB 202 FLRIVQCRSVEGSCGF 217

RESULT 28
US-09-284-878-1

; Sequence 1, Application US/09284878
; Patent No. 6342375
; GENERAL INFORMATION:
; APPLICANT: Olazaran, Martha Guerrero
; APPLICANT: Saldana, Hugo Barrera
; APPLICANT: Salvado, Jose Maria Viader
; TITLE OF INVENTION: Genetically Modified Methylotrophic P. pastoris Yeast for the
; TITLE OF INVENTION: Production and Secretion of the Human Growth Hormone
; FILE REFERENCE: 1829.0010000
; CURRENT APPLICATION NUMBER: US/09/284,878
; CURRENT FILING DATE: 1999-07-21
; PRIOR APPLICATION NUMBER: PCT/MX97/00033
; PRIOR FILING DATE: 1997-10-24
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-284-878-1

Query Match 95.4%; Score 83; DB 4; Length 217;
Best Local Similarity 93.8%; Pred. No. 3.8e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
DB 202 FLRVQCRSVEGSCGF 217

RESULT 29

US-08-340-389A-1
; Sequence 1, Application US/08340389A
; Patent No. 5869452

; GENERAL INFORMATION:
; APPLICANT: NG, Frank M.
; APPLICANT: NATERA, Siria H.
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,389A
; FILING DATE: 15-NOV-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 17227/118/DACO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-340-389A-1

Query Match 92.0%; Score 80; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 7.6e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 LRIVQCRSVEGSCGF 16
:|||||
DB 1 LRIVQCRSVEGSCGF 15

RESULT 30

US-09-245-712-1
; Sequence 1, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-712-1

Query Match 92.0%; Score 80; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 7.6e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 LRIVQCRSVEGSCGF 16
:|||||
DB 1 LRIVQCRSVEGSCGF 15

RESULT 31

US-09-245-712-4
; Sequence 4, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-245-712-4

Query Match 92.0%; Score 80; DB 4; Length 26;
Best Local Similarity 87.5%; Pred. No. 1.3e-06;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLRVQCRSVEGSCGF 16
:|||||
DB 11 FLRMVQCRSVEGSCGF 26

```
RESULT 32
US-09-245-712-7
; Sequence 7, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Murine
US-09-245-712-7
```

```
Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
```

```
Qy 1 YLRIVQCRS-VEGSCGF 16
| | | | | | | | | | | | | | | |
Db 11 YLRVMKCRRFVSSCAF 27
```

```
RESULT 33
US-09-245-712-8
; Sequence 8, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Hamster
US-09-245-712-8
```

```
Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
```

```
Qy 1 YLRIVQCRS-VEGSCGF 16
| | | | | | | | | | | | | | | |
Db 11 YLRVMKCRRFVSSCAF 27
```

```
RESULT 34
US-09-245-712-9
; Sequence 9, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woel-Jia
```

```
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Whale
US-09-245-712-9
```

```
Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
```

```
Qy 1 YLRIVQCRS-VEGSCGF 16
| | | | | | | | | | | | | | | |
Db 11 YLRVMKCRRFVSSCAF 27
```

```
RESULT 35
US-09-245-712-10
; Sequence 10, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Vulpes, Canis familiaris or Felis catus
US-09-245-712-10
```

```
Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
```

```
Qy 1 YLRIVQCRS-VEGSCGF 16
| | | | | | | | | | | | | | | |
Db 11 YLRVMKCRRFVSSCAF 27
```

```
RESULT 36
US-09-245-712-11
; Sequence 11, Application US/09245712
; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woel-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245.712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340.389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
```


; Patent No. 6335319
; GENERAL INFORMATION:
; APPLICANT: NG, Frank Man-Woon
; APPLICANT: NATERA, Siria Helen Anna
; APPLICANT: JIANG, Woei-Jia
; TITLE OF INVENTION: TREATMENT OF OBESITY
; FILE REFERENCE: 017227/0131
; CURRENT APPLICATION NUMBER: US/09/245,712
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: US 08/340,389
; EARLIER FILING DATE: 1994-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 19
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Mammal
US-09-245-712-19

Query Match 59.2%; Score 51.5; DB 4; Length 27;
Best Local Similarity 58.8%; Pred. No. 0.05;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVOCRS-VEGSCGF 16
DB 11 YLRVMKCRFEVSSCAF 27
||||:|||| || || |

RESULT 42
US-07-963-331D-3
; Sequence 3, Application US/07963331D
; Patent No. 5334511
; GENERAL INFORMATION:
; APPLICANT: Harada, Yasuhiro
; APPLICANT: Nakano, Eiichi
; APPLICANT: Tatsumi, Hiroki
; APPLICANT: Umez, Motoaki
; TITLE OF INVENTION: Isolated Mink Growth
; TITLE OF INVENTION: Hormone Genes, No. 5334511el Recombinant DNA And
; TITLE OF INVENTION: Methods For Producing Mink Growth Hormone.
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Limbach & Limbach
; STREET: 2001 Ferry Building
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0,
; SOFTWARE: Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/963,331D
; FILING DATE: 19921016
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Derigosits, Michael E.
; REGISTRATION NUMBER: 31,243
; REFERENCE/DOCKET NUMBER: HIRA-00600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 433-4150
; TELEFAX: (415) 433-8716
; TELEX: 278356
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190
; TYPE: AMINO ACID
; STRANDEDNESS: Linear

; MOLECULE TYPE: Protein
; ORIGINAL SOURCE:
; ORGANISM: Dark mink
; TISSUE TYPE: Pituitary gland
; CELL TYPE: Growth hormone
; FEATURE:
; OTHER INFORMATION:
US-07-963-331D-3

Query Match 59.2%; Score 51.5; DB 1; Length 190;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVOCRS-VEGSCGF 16
DB 174 YLRVMKCRFEVSSCAF 190
||||:|||| || || |

RESULT 43
US-08-388-267C-2
; Sequence 2, Application US/08388267C
; Patent No. 5686268
; GENERAL INFORMATION:
; APPLICANT: JONES,, ELAINE V.
; APPLICANT: SATHE,, GANESH M.
; APPLICANT: O'BRIEN,, SHAWN
; APPLICANT: CLARK,, MICHAEL T.
; APPLICANT: ALLIA,, HECTOR W. J.
; APPLICANT: MILLER,, TIMOTHY J.
; TITLE OF INVENTION: FUSION PROTEINS
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PFIZER INC.
; STREET: 235 EAST 42ND STREET
; CITY: NEW YORK
; STATE: NY
; COUNTRY: U.S.A.
; ZIP: 10017-5755
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/388,267C
; FILING DATE: 27-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: KOLLER, ALAN L.
; REGISTRATION NUMBER: 37,371
; REFERENCE/DOCKET NUMBER: PC9042A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-573-2118
; TELEFAX: 212-808-8893
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-388-267C-2

Query Match 59.2%; Score 51.5; DB 1; Length 190;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVOCRS-VEGSCGF 16
DB 174 YLRVMKCRFEVSSCAF 190
||||:|||| || || |

```
RESULT 44
US-09-277-720-2
; Sequence 2, Application US/09277720
; Patent No. 6328974
; GENERAL INFORMATION:
; APPLICANT: Jones, Elaine V.
; APPLICANT: Sathe, Ganesh M.
; APPLICANT: O'Brien, Shawn
; APPLICANT: Clark, Michael T
; APPLICANT: Alila, Hector W
; APPLICANT: Miller, Timothy J
; TITLE OF INVENTION: VACCINES THAT POTENTIATE GROWTH HORMONE ACTIVITY (as
; FILE OF INVENTION: amended)
; FILE REFERENCE: PC9042C
; CURRENT APPLICATION NUMBER: US/09/277,720
; CURRENT FILING DATE: 1999-03-26
; EARLIER APPLICATION NUMBER: 07/901,704
; EARLIER FILING DATE: 1992-06-19
; EARLIER APPLICATION NUMBER: 08/388,267
; EARLIER FILING DATE: 1995-01-27
; EARLIER APPLICATION NUMBER: 08/846,913
; EARLIER FILING DATE: 1997-04-30
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 2
; LENGTH: 190
; TYPE: PRT
; ORGANISM: Sus scrofa
US-09-277-720-2

Query Match 59.2%; Score 51.5; DB 4; Length 190;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVQCRS-VEGSCGF 16
|||::||| || || |
Db 174 YLRVMKRRFVSSCAF 190

RESULT 45
US-07-963-331D-4
; Sequence 4, Application US/07963331D
; Patent No. 5334511
; GENERAL INFORMATION:
; APPLICANT: Harada, Yasuhiro
; APPLICANT: Nakano, Eiichi
; APPLICANT: Tatsumi, Hiroki
; APPLICANT: Umezu, Motoaki
; TITLE OF INVENTION: Isolated Mink Growth
; TITLE OF INVENTION: Hormone Genes, No. 5334511el Recombinant DNA And
; TITLE OF INVENTION: Methods For Producing Mink Growth Hormone.
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Limbach & Limbach
; STREET: 2001 Ferry Building
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0,
; SOFTWARE: Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/963,331D
; FILING DATE: 19921016
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dergosits, Michael E.
```

```
; REGISTRATION NUMBER: 31,243
; REFERENCE/DOCKET NUMBER: HIRA-00600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 433-4150
; TELEFAX: (415) 433-8716
; TELEX: 278356
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: Linear
; MOLECULE TYPE: Protein
; ORIGINAL SOURCE:
; ORGANISM: Dark mink
; TISSUE TYPE: Pituitary gland
; CELL TYPE: Growth hormone
; FEATURE:
; OTHER INFORMATION:
US-07-963-331D-4

Query Match 59.2%; Score 51.5; DB 1; Length 191;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVQCRS-VEGSCGF 16
|||::||| || || |
Db 175 YLRVMKRRFVSSCAF 191

RESULT 46
US-08-468-824-8
; Sequence 8, Application US/08468824
; Patent No. 5747290
; GENERAL INFORMATION:
; APPLICANT: EMTAGE, JOHN S.
; APPLICANT: BRANDON, MALCOLM R.
; TITLE OF INVENTION: Process for the Production of
; TITLE OF INVENTION: Recombinant Polypeptides
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPENCER, FRANK & SCHNEIDER
; STREET: 1111 Nineteenth St., N.W.,
; CITY: Washington
; STATE: DC
; COUNTRY: US
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,824
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/134,946
; FILING DATE: 12-OCT-1993
; APPLICATION NUMBER: US 07/984,244
; FILING DATE: 01-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/717,179
; FILING DATE: 18-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/480,051
; FILING DATE: 14-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/148,519
; FILING DATE: 26-JAN-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Schneller, John W.
```


; REGISTRATION NUMBER: 26,031
; REFERENCE/DOCKET NUMBER: CARPR 0025C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 828-8000
; TELEFAX: (202) 828-8038
; TELEX: SPENCER 64267
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-468-824-8

Query Match 59.2%; Score 51.5; DB 1; Length 191;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

Qy 1 YLRIVQCRS-VEGSGGF 16
|||::|| ||||
Db 175 YLRVMKRRFVESSCAF 191

RESULT 47

; Patent No. 5210180
; APPLICANT: WANG, BOSCO.; HART, IAN C.; SHIEH, HONG-MING
; TITLE OF INVENTION: ENHANCEMENT OF PORCINE SOMATOTROPIN
; ACTIVITY
; NUMBER OF SEQUENCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/427,669
; FILING DATE: 27-OCT-1989
; SEQ ID NO: 1:
; LENGTH: 191
5210180-1

Query Match 59.2%; Score 51.5; DB 6; Length 191;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

Qy 1 YLRIVQCRS-VEGSGGF 16
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Db 175 YLRVMKRRFVESSCAF 191

RESULT 48

US-07-621-197C-2
; Sequence 2, Application US/07621197C
; Patent No. 5310882
; GENERAL INFORMATION:
; APPLICANT: Chaleff Dr., Deborah T.
; TITLE OF INVENTION: Somatotropins with Alterations in the
; TITLE OF INVENTION: Alpha-Helix 3 Region, Alpha-Helix 2 Region Combinations
; TITLE OF INVENTION: Thereof, and in Combination with Other Mutations
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: 1937 West Main Street
; CITY: Stamford
; STATE: CT
; COUNTRY: United States of America
; ZIP: 06904-0060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/621,197C
; FILING DATE: 19901130

; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsevdos Dr., Estelle J.
; REGISTRATION NUMBER: 31,145
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 203-321-2756
; TELEFAX: 203-321-2971
; TELEX: 710-474-4059
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 193 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-621-197C-2

Query Match 59.2%; Score 51.5; DB 1; Length 193;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

Qy 1 YLRIVQCRS-VEGSGGF 16
|||::|| ||||
Db 177 YLRVMKRRFVESSCAF 193

RESULT 49

US-08-363-982-2
; Sequence 2, Application US/08363982
; Patent No. 5548068
; GENERAL INFORMATION:
; APPLICANT: Fischer, Melr
; APPLICANT: Lebens, Michael R.
; APPLICANT: Chaleff, Deborah T.
; TITLE OF INVENTION: Somatotropins with Alterations in the
; TITLE OF INVENTION: Alpha-Helix 1 Region, and Combinations with Other
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John P. White, Cooper & Dunham
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,982
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/010,405
; FILING DATE: 28 JAN 1993
; APPLICATION NUMBER: US/07/621,656
; FILING DATE: 30-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 38360/JPW/LSW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; TELEX: 422523 Coop ul
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 193 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-363-982-2

Job time: 161 sec

Query Match 59.2%; Score 51.5; DB 1; Length 193;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

QY 1 YLRIVQCRS-VEGSCGF 16
|||::|| ||||
Db 177 YLRVMKCRRFVESSCAF 193

RESULT 50
US-08-383-621-1
Sequence 1, Application US/08383621
Patent No. 5951972
GENERAL INFORMATION:
APPLICANT: Daley, Michael J.
APPLICANT: Buckwalter, Brian L.
APPLICANT: Cady, Susan M.
APPLICANT: Shieh, Hong-Ming
APPLICANT: Bohlen, Peter
APPLICANT: Seddon, Andrew P.
TITLE OF INVENTION: Stabilization Of Somatotropins And Other
PROTEINS BY MODIFICATION OF CYSTEINE RESIDUES
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dr. Estelle J. Tsevdos
STREET: 1937 West Main Street, P.O. Box 60
CITY: Stamford
STATE: Connecticut
COUNTRY: U.S.A.
ZIP: 06904-0060

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/383,621
FILING DATE: 06-FEB-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/766,142
FILING DATE: 25-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsevdos, Estelle J.
REGISTRATION NUMBER: 31,145
REFERENCE/DOCKET NUMBER: 31,278-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203-321-2756
TELEFAX: 203-321-2971
TELEX: 203-710-474-4059
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 193 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Protein
US-08-383-621-1

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Query Match 59.2%; Score 51.5; DB 2; Length 193;
Best Local Similarity 58.8%; Pred. No. 0.37;
Matches 10; Conservative 3; Mismatches 3; Indels 1; Caps 1;

QY 1 YLRIVQCRS-VEGSCGF 16
 |||::|| |||||
 Db 177 YLRVMKCRREVESSCAF 193

Search completed: July 10, 2002, 08:25:39
